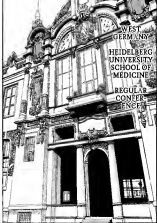




SUPER
DOCTOR

**CHART-66:
THE GERMAN SPIRIT AND
THE ARTIFICIAL LIVER**



I HAVE A
VERY IMPORTANT
ANNOUNCEMENT
REGARDING MY
RESEARCH FOR
YOU TODAY.

Heidelberg University School of Medicine
Second Department of Surgery Professor
Wilhelm Kaiser





I WOULD LIKE TO
ANNOUNCE... THAT
I HAVE COMPLETED
A PROTOTYPE FOR
A COMPLETELY
ARTIFICIAL LIVER...



A-A
COMPLETELY
ARTIFICIAL
LIVER?



WHAT?!



WH...



YOU DON'T
ACTUALLY
MEAN TO AN-
NOUNCE YOUR
RESEARCH TO
THE WHOLE
WORLD, DO
YOU?



I THINK
HE'S
TELLING
US A BAD
JOKE.

HA...
HAHA
HAHA
HAHA



IS
THERE
A PRO-
BLEM?

OF
COURSE...



DON'T YOU SEE
HOW OBVIOUS IT IS
THAT DEVELOPING
A "COMPLETELY
ARTIFICIAL LIVER"
WOULD ONLY INVOKE
ACCORDION FROM
SCHOLARS ACROSS
THE GLOBE??

OF
COURSE
THERE
IS, YOU
FOOL!!

SUBSTITUTING
THE LIVER'S
BIOLOGICAL
FUNCTIONS
ARTIFICIALLY IS
JUST A DREAM
WITHIN A
DREAM!!

BUT WHAT
YOU'RE
TRYING TO
DO IS IM-
POSSIBLE!!

CEASE AND
DESIST THIS
RECKLESS
RESEARCH
IMMEDI-
ATELY!!

BY THE
AUTHORITY OF
THIS
ACADEMIC
CONFERENCE,
I ORDER YOU!

I AM
A MEDICAL
DOCTOR.
I POSSESS
THE RIGHT
AND QUALIFI-
CATION TO
CONDUCT AND
ANNOUNCE
ANY AND ALL
RESEARCH.

I'M
AFRAID
I MUST
DECLINE!!

IT LOOKS
LIKE YOU'RE THE
ONES WHO HAVE
FORGOTTEN THE
GERMAN SPIRIT!!

IS THAT NOT PRE-
CISELY WHAT OUR
FATHERLAND HAS
DONE THROUGHOUT
HISTORY??

I WILL
MAKE
THE IM-
POSSIBLE
POSSIBLE
!!

Artificial Heart



The fruits of this challenge have included artificial hearts, heart-lung machines, vascular prostheses, artificial bone, prosthetic joints, and dialysis machines that function as artificial kidneys, all of which have entered the implementation phase.

Artificial organs. Some say that artificial organs hold one of the keys to the endless challenge to "death", which everyone reaches eventually. The ultimate theme of humanity, "immortality".

AAHHH



ONE REASON IS THAT THE LIVER'S MECHANISMS ARE FAR TOO COMPLICATED.

BUT IN THE FIELD OF ARTIFICIAL ORGANS, THE ARTIFICIAL LIVER IS THE FURTHEST AHEAD.



The liver has two main functions. The first is the metabolic function, which produces glycogen and various proteins from the nutrients absorbed by the small intestine. The second is the detoxification function, which decomposes harmful substances, such as the ammonia that is produced as a metabolic byproduct. This process is incredibly complicated.

Y... YES... I CAN AGREE WITH THAT...

Nutrients absorbed from food

Small Intestine





AND I HAVE
SUCCEEDED IN
MINIATURIZING IT
BY INCORPORATING
BIOLOGICAL LIVER
CELLS INTO THE
MACHINE!!



AND
THAT'S WHAT
MAKES IT
IMPOSSIBLE!

YOU WOULD
NEED A MACHINE
THE SIZE OF
A FIVE-STORY
BUILDING JUST
TO SUBSTITUTE
THE LIVER'S
FUNCTIONS WITH
COMPLETELY
ARTIFICIAL
MATERIALS!



AND WILL
BRING HOPE
TO PATIENTS
WITH LIVER
DISORDERS!!

MY RESEARCH
RESULTS WILL
BE A LIGHT
FOR ALL
HUMANITY...



I HAVE ALREADY
CLEARED THE
GREATEST
HURDLE OF THE
ARTIFICIAL LIVER,
THAT IS, THE
SURVIVAL AND
REPRODUCTION
OF LIVER CELLS



THE KASER
ARTIFICIAL
LIVER THAT
I HAVE DEVE-
LOPED CAN
SERVE AS A
COMPLETE
SUBSTITUTE
FOR THE
HUMAN
LIVER!

AND MY
ANIMAL TRIALS
HAVE BEEN A
RESOUNDING
SUCCESS!!

COUNTLESS
MEDICAL RESEARCHERS
AROUND THE WORLD
HAVE ATTEMPTED
TO MIMIC
AN ARTIFICIAL LIVER,
AND FAILURE THERE'S
NO WAY A YOUNGSTER
LIKE YOU COULD HAVE
SUCCEEDED!

ABSOLUTELY
ABSURD! THAT
CAN'T BE DONE!
IT'S ENTIRELY
IMPOSSIBLE!!

HAHA
HAHA
HAHA
HAHA

I WILL
BRING YOU
A REPORT IN
THE NEAR
FUTURE.

IF YOU WOULD
GO SO FAR,
THEN I SUP-
POSE I WILL
HAVE TO PROVE IT.

THIS IS
NOTHING
MORE THAN
A DESPERATE
PLEA FOR
ATTENTION!

HAHA
HAHA!
THAT'S
A GOOD
ONLY

I HOPE YOU'RE
NOT THINKING
OF WINNING A
NOBEL PRIZE
WITH THAT
SHAM!

YOU'RE THE
SHAME OF
GERMAN
MEDICINE!

HUM...?
H...HUMAN
EXPERIMENT
!!

OF A
SUCCESSFUL
HUMAN EX-
PERIMENT!!



THIS'LL BE
A SCOOP!
WE CAN STILL
MAKE IT IN
TIME FOR
THE EVENING
EDITION!

HEY
TO GO,
KABERO!

THIS IS
HOW I LOVE
COVERING
KABERO!



ARE YOU
TRYING TO
RECREATE
THE NIGHT-
MARE OF
ALSHWITZ?
IT



THIS CON-
FERENCE IS
ADJOURNED
!!

THIS IS
PREPOS-
TEROUS!!



I ACTUALLY
PRODUCED
RESULTS!

HOW
CAN YOU
SAY THAT
WHEN YOU
HAVEN'T EVEN
SEEN MY
RESEARCH?



WE'VE GIVEN HIM
OUR PRECIOUS
TIME BECAUSE
HE SAID HE HAD
AN IMPORTANT
ANNOUNCEMENT,
AND THAT IS NOW
HE WASTES IT...
THE NERVE OF
HIM!

I'VE PUT UP
WITH THAT
BOORING
FOR FAR TOO
LONG!







IT WAS QUITE
A BOLD
THINKING, I
HAVE TO
SAY...



BUT THE
TIME HAS
NOW COME
EVERYTHING
IS READY...

HEHE...
THAT'S
WHAT
MY SUPERIOR
SAY...



YEAH...

DID YOU
READ THE
THESIS THAT
I SENT YOU
ALONG WITH
MY INVITA-
TION?



BUT I BELIEVE
THAT AN OUT-
STANDING SUR-
GEON SUCH AS
YOURSELF CAN
RESOLVE THAT
PROBLEM!!

THE LAST
PROBLEMS THAT
REMAIN ARE THE
INFECTIONS THAT
MAY OCCUR WHEN
ATTACHING THE
ARTIFICIAL LIMB
TO THE BODY...



WAIT
JUST A
MINUTE...



AND
THAT
IS WHY
I HAVE
INVITED
YOU
HERE...

**DOCTOR
K!!**



AND USING
HUMAN LIVES IN
EXPERIMENTS
IS NEVER
ACCEPTABLE!!

WHEN DEALING
WITH ANYTHING
AS HIGH-TECH AS
AN ARTIFICIAL
LIVER, ITS
SAFETY HAS TO
BE STRESSED
ABOVE EVERY-
THING ELSE.

WE MUST AVOID
EXPOSING THE
PATIENT'S LIFE
TO DANGER AS A
RESULT OF THE
ARTIFICIAL ORGAN
IMPLANTED INSIDE
THEM AT ALL
COSTS.



I GUESS I
MADE THE
RIGHT CHOICE
IN SELECTING
YOU, DOCTOR
K...

HE
HE
HE...



BUT YOUR
CONCERN
IS UNDER-
STANDABLE.



HOW DO YOU
PLAN ON TAKING
RESPONSIBILITY IF
YOU GO AHEAD
WITH THE HUMAN
EXPERIMENT, AND
THE PATIENT DIES
AS A RESULT?







I'M IMPRESSED
IT ONLY
TOOK YOU
A SINGLE
GLANCE...

YOU MEAN
YOU HAVE
SEVERE
LIVER
FAILURE
IT



YOUR
EYES...
THAT'S
JAUNDICE!!



OF USING
YOURSELF
AS THE
TEST
SUBJECT
IT

YOU'RE
NOT
THINK-
ING...



IF THIS
ENDS IN
FAILURE...

I
DON'T
MIND



K...
KAISER

IF MY DEATH
CAN TAKE US ONE
STEP CLOSER TO
THE ARTIFICIAL
LIVER BECOMING
A REALITY...



BUT DIMAN-
LESS, I ONLY
HAVE HALF A
TRAIL LEFT...

I HAVE BEEN
CONSTANTLY
SURVEILLED,
AND SOMETHING
UP MY GREAT
BACK WITH
WARTUP, SO
THE OTHERS
COULD NOT
TELL...



Laboratory



and it's
survived
without issue
up until now...

This
goat has
already
been
implanted
with
Kaiser's
artificial
liver half
a year
ago...



The biggest problem has been
keeping the liver cells alive and
reproducing inside the machine...
but I have already resolved it.



I have developed
a miniaturized,
completely internal
model... A hybrid model
that combines machinery
with biological liver
cells.



IF THIS
CAN BE
IMPLEMENTED,
IT WOULD
BE A HUGE
PROG-
RESS!!

That is
true...



This is
evidenced
by the fact
that this
goat has
lived for
half a
year...



UP UNTIL NOW,
IT'S ONLY BEEN
USED IN ANIMAL
TESTS... AND
FRANKLY, THERE
ARE TOO MANY
DIFFERENCES
BETWEEN
ANIMALS AND
HUMANS...

BUT WILL
THIS WORK
ON THE
HUMAN
BODY...?



WHAT
HUP-
PENED?

W... WHAT??
THE LIGHT
INDICATING AN
ABNORMALITY
IN THE GOAT
TURNED OFF?









SHONEN MAGAZINE COMICS

8 MAFUNE KAZUO

YOU WANNA
GET RIPPED LIKE ME?
HERE'S A PRESCRIPTION:
ACTUALLY EXERCISE!

LOOK MAN, JUST BECAUSE
YOU CAN'T FIND YOUR
SHIRT DOESN'T MEAN
YOU CAN PREACH TO ME.

スパ・ドクター

SUPER
DOCTOR

Translated by SystematicChaos
Proofreading by Destoryerring
Editing by Kazuhiko

CHAPTER 66